

Prairie Creek Area Groundwater Basin

- Groundwater Basin Number: 1-25
- County: Humboldt
- Surface Area: 20,000 acres (square miles)

Basin Boundaries and Hydrology

The Prairie Creek Area Groundwater Basin is located approximately 50 miles north of Eureka and 25 miles south of Crescent City. The basin is bounded by Lost Man Fault to the east and rocks of the Franciscan Formation on all sides. Basin deposits consist of undifferentiated Plio-Pleistocene marine and non-marine deposits. The basin is also transected by the Grogan Fault within the western third of the basin (Wagner 1987).

Annual precipitation ranges from 59 - to 75-inches, increasing to the northeast.

Hydrogeologic Information

Hydrogeologic information was not available for the following:

Water-Bearing Formations

Groundwater Level Trends

Groundwater Storage

Groundwater Budget (Type B)

Estimates of groundwater extraction are based on a survey conducted by the California Department of Water Resources in 1996. The survey included land use and sources of water. Estimates of groundwater extraction for municipal/industrial 4 acre-feet. Deep percolation from applied water is estimated to be 3 acre-feet.

Groundwater Quality

Hydrogeologic information was not available.

Well Characteristics

Well yields (gal/min)		
Municipal/Irrigation	NKD	
Total depths (ft)		
Domestic	Range: 72 – 132	Average: 101 (3 Well Completion Reports)
Municipal/Irrigation		
NKD – No known data.		

Active Monitoring Data

Agency	Parameter	Number of wells /measurement frequency
	Groundwater levels	NKD
Department of Health Services	Miscellaneous water quality	1

Basin Management

Groundwater management:	No known groundwater management plans, groundwater ordinances, or basin adjudications.	
Water agencies		
Public	None	
Private	None	

Selected References

Wagner D L., Saucedo GJ. 1987. Geologic Map of the Weed Quadrangle, California, Regional Geologic Map Series 4A, California Division of Mines and Geology.

Bibliography

Bailey EH. 1966. Geology of Northern California. California Division of Mines and Geology. Bulletin 190.

California Department of Water Resources. 1975. California's Ground Water. California Department of Water Resources. Bulletin 118.

California Department of Water Resources. 1980. Ground Water Basins in California. California Department of Water Resources. Bulletin 118-80.

Errata

Changes made to the basin description will be noted here.